

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/38145

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> WC(J) : GOIV 3/00 US CL : 324/309 According to International Patent Classification (IPC) or to both national classification and IPC																										
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) U.S. : 324/309, 307; 382/131; 600/410 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Google Scholar: Wiley Interscience-Magnetic Resonance in Medicine, Journal of Magnetic Resonance Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)																										
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b> <table border="1"> <thead> <tr> <th>Category *</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>US 5,421,331 (DEVITO et al) 6 Jun 1995, col 1, lines 31-57; col 2 lines 8-12; col 4 lines 22-28</td> <td>1-8, 19-20</td> </tr> <tr> <td>A</td> <td></td> <td>1-22</td> </tr> <tr> <td>A</td> <td>US 5,699,799 (XU et al) 23 Dec 1997</td> <td>1-22</td> </tr> <tr> <td>A</td> <td>US 6,038,466 (HASELHOFF) 14 Mar 2000</td> <td>1-22</td> </tr> <tr> <td>A</td> <td>US 5,512,827 (HARDY et al) 30 Apr 1996</td> <td>1-22</td> </tr> <tr> <td>A</td> <td>US 5,584,293 (DARROW et al) 17 Dec 1996</td> <td>1-22</td> </tr> <tr> <td>A</td> <td>US 4,710,716 (KEREN et al) 1 Dec 1987</td> <td>1-22</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	Y	US 5,421,331 (DEVITO et al) 6 Jun 1995, col 1, lines 31-57; col 2 lines 8-12; col 4 lines 22-28	1-8, 19-20	A		1-22	A	US 5,699,799 (XU et al) 23 Dec 1997	1-22	A	US 6,038,466 (HASELHOFF) 14 Mar 2000	1-22	A	US 5,512,827 (HARDY et al) 30 Apr 1996	1-22	A	US 5,584,293 (DARROW et al) 17 Dec 1996	1-22	A	US 4,710,716 (KEREN et al) 1 Dec 1987	1-22
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<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.																										
<table border="0"> <tr> <td>           * Special categories of cited documents:            "A" document defining the general state of the art which is not considered to be of particular relevance            "E" earlier application or patent published on or after the international filing date            "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)            "O" document referring to an oral disclosure, use, exhibition or other means            "P" document published prior to the international filing date but later than the priority date claimed         </td> <td>           "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention            "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone            "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art            "&amp;" document member of the same patent family         </td> </tr> </table>			* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family																						
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Authorized officer: <i>[Signature]</i> Jeremiah Shipman Telephone No. (571)272-8439																								